

What I claimed is:

1. A plug for the connection of electrical wires comprising:
  - a casing (2) insertable into or removable from a machine side socket (50), and  
5 being divided into a wire-insertion chamber (22) and a connector-receiving chamber (21) by a partition (13),
  - a connector (15) received in the connector-receiving chamber (21), and having a plate spring contact portion (19) at one side urging towards a connecting hole (23) of a partition (13) in communication with the wire-insertion chamber (22), and an  
10 external contact (16) at the other side connecting to a machine side terminal (55) of the machine side socket (50), and
  - a housing (4) rotatably mounted in the casing (2), and having a projecting portion (35) projecting beyond the connecting hole (23) of the partition (13) from the wire-insertion chamber (22) when the housing is rotated to the side of the casing  
15 (2), and in which
  - the wires (5, 7) inserted within the wire-insertion chamber (22) are pressed into the connecting hole (23) by the rotation of the projecting portion (35) of the housing (4) towards the casing (2),
  - the wires (5, 7) are bent to clamp in between the inner wall of the projecting  
20 portion (35) and connecting hole (23),
  - the wires (5, 7) projecting beyond the connecting hole (23) along the surface of the projecting portion (35) being resiliently connected to the plate spring contact portion (19), and
  - whereby the wires (5, 7) are electrically connected to the machine side terminals  
25 (55) when the casing (2) is inserted into the machine side socket (50).
2. The plug according to claim 1, wherein a contact protrusion (19a) being formed on the plate spring contact portion (19), and projecting towards a pressing face (35b) of the projecting portion (35) in contact with the contact protrusion (19a),  
30 which pressing face (35b) being substantially intersecting the deflection direction of the plate spring contact portion (19).
3. The plug according to claim 1 or 2, wherein the portions of the casing (2) partitioned by a guide slot (10a) which is mounted in the insertion direction of the wires (5, 7) form the wire-insertion chamber (22) and the connector-receiving chamber (21),  
35 a guide plate (37) being formed on the housing (4), and loosely fit into the guide slot (10a) to guide the rotation of the housing (4),
- a pair of wires (5, 7) inserted into each wire-insertion chamber (22) being pressed in by a pair of projecting portions (35) formed on both sides of the guide plate

(37) to electrically connect to contacts (15) received in the connector-receiving chamber (21).

4. The plug according to claim 1 or 2, wherein the casing (2) is formed of a transparent insulating material.
  - 5 5. The plug according to claim 3, wherein the casing (2) is formed of a transparent insulating material.
  6. The plug according to claim 4, wherein the housing (4) is formed of an insulating material in a predetermined color so as to facilitate distinction by color.
  7. The plug according to claim 5, wherein the housing (4) is formed of an insulating material in a predetermined color so as to facilitate distinction by color.
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